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### UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	PD-03W116	
First Inventor	KENNETH W. BROWN	
Title	SYSTEM AND LOW-LOSS	0
Express Mail Label No.	EL 857716418 US	PT

See MPEP (	APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.	ADDRESS TO:  Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450						
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27.  3. Specification [Total Pages_ 19 ] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description		7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. Paper  c. Statements verifying identity of above copies						
- Claim		ACCOMPANYING APPLICATION PARTS						
5. Oath or Dec a. V Ne b. Col (for i. Appl 18. If a CONTI specification for CONTINUAT 5b, is considere	py from a prior application (37 CFR 1.63(d)) r continuation/divisional with Box 18 completed)  DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  Dication Data Sheet. See 37 CFR 1.76  INUING APPLICATION, check appropriate box, and sollowing the title, or in an Application Data Sheet under under the information:  Examiner PALABRICA, RICE TION OR DIVISIONAL APPS only; The entire disclosure of the accompanying continuation can only be relied upon when a portion has been inade	nuation-in-part (CIP) of prior application No.: 10/232,743						
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#### PD-03W116

## SYSTEM AND LOW-LOSS MILLIMETER-WAVE CAVITY-BACKED ANTENNAS WITH DIELELECTRIC AND AIR CAVITI4S

by

#### KENNETH W. BROWN

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATIONS, Assistant Commissioner for Patents, Washington, D. C. 20231

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FEE TRANSMITTA									
FEE IKANSIIII IA	┕║	Application Num			er				
for FY 2004		Filing Date				HEREWITH			
		First Named Inventor			itor	KENNETH W. BROWN			
Effective 10/01/2003. Patent fees are subject to annual revision.	Examiner Name			ame					
Applicant claims small entity status. See 37 CFR 1.27		Art Unit							
TOTAL AMOUNT OF PAYMENT (\$) 1292.00		Attorney Docket No.			o.	PD-03W116			
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)							
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The Director is authorized to: (check all that apply)	1053	130 2 2,520	1053			Inglish specification ng a request for ex parte reexamination			
Charge fee(s) indicated below	1804		1804	•		esting publication of SIR prior to			
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FEE CALCULATION	1251	110	2251	55	Exten	sion for reply within first month			
1. BASIC FILING FEE	1252	420	2252	210	Exter	nsion for reply within second month			
Large Entity Small Entity	1253	950	2253	475	Exter	nsion for reply within third month			
Fee Fee Fee Fee Peid Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Exter	nsion for reply within fourth month			
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Exter	sion for reply within fifth month			
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notic	e of Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing	a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Requ	est for oral hearing			
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petitio	on to institute a public use proceeding			
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petitio	on to revive - unavoidable	i		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,330	2453	665	Petitio	on to revive - unintentional			
Fee from		1,330	2501		-	rissue fee (or reissue)			
Extra Claims below Fee Paid  Total Claims 42 .20** = 22 x 18 = 396.	1502		2502			n issue fee	i		
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Large Entity   Small Entity			1807			essing fee under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description	1806		1806			ission of Information Disclosure Stmt rding each patent assignment per	10.00		
Code (\$)   Code (\$)   1202 18   2202 9 Claims in excess of 20	8021	40	8021	40	prope	rty (times number of properties)	40.00		
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385		a submission after final rejection FR 1.129(a))			
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For e	ach additional invention to be			
1204 86 2204 43 ** Reissue independent claims over original patent	180 <sup>-</sup>	1 770	2801	385		ined (37 CFR 1.129(b)) uest for Continued Examination (RCE)			
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SUBTOTAL (2) (\$) 482.00		Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00							
For number previously paid, it greater, For Reissues, see above									
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